

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

B114
6A3
22

United States
Department of
Agriculture

Agricultural
Marketing
Service

Plant Variety Protection Office Official Journal

Volume 20, No. 4
October - December 1992



HOWARD
SOS

LIBRARY

Printed August 1994

PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an "Official Journal" to provide the public with information relating to the operations of the Plant Variety Protection Office. The statute also authorizes the Secretary to disseminate technological and other information that encourages innovation and progress in plant breeding.

The "Official Journal" is published quarterly and is available at no charge from:

Plant Variety Protection Office
Science Division
Agricultural Marketing Service
U.S. Department of Agriculture
Rm. 500, NAL Bldg.
10301 Baltimore Blvd.
Beltsville, Maryland 20705

Telephone: 301/504-5518

CONTENTS

PAGE

I. APPLICATIONS: Actions taken October 1 through December 31, 1992	
a) Received.....	3
b) Amended.....	10
c) Abandoned, Withdrawn, Denied or Ineligible.....	13
II. CERTIFICATES: Actions taken April 1 through June 30, 1992	
a) Issued, and Novelty Based on Applicant's Claim.....	14
b) Amended.....	39
c) Expired.....	40

APPLICATIONS RECEIVED
OCTOBER 1, 1992 TO DECEMBER 31, 1992

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. The seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

APPL. NO.	VARIETY	GEN. APPLICATION (*)	DATE	NAME OF APPLICATION
BARLEY				
9300028	Citation		11/18/1992	Plant Breeders 1, Inc.
BEAN, FIELD				
9300068	Norstar		12/11/1992	North Dakota Agricultural Experiment Station
BEAN, GARDEN				
9300002	DMC 04-01		10/08/1992	Del Monte Corporation
9300016	Summit		11/06/1992	Rogers NK Seed Co.
9300053	DMC 04-33		12/29/1992	Del Monte Corporation
9300054	DMC 08-47		12/29/1992	Del Monte Corporation
9300055	DMC 06-26		12/30/1992	Del Monte Corporation

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

APPLICATIONS RECEIVED
OCTOBER 1, 1992 TO DECEMBER 31, 1992

APPL. NO.	VARIETY	GEN. APPLICATION (*)	DATE	NAME OF APPLICANT
BENTGRASS, CREEPING 9300012	Regent		10/26/1992	Barenbrug USA - Marketing Division
BLUEGRASS, KENTUCKY 9300059	SR 2000		12/30/1992	Seed Research of Oregon, Inc.
BLUEGRASS, ROUGH 9300044	Polder		12/11/1992	Mommersteeg International B.V.
CAULIFLOWER 9300050	K-TEE		12/24/1992	Tanimura & Antle, Inc.
CELERY 9300001	PS 28588		10/07/1992	Petoseed Co., Inc.
CLOVER, WHITE 9300033	Will	(3)	11/20/1992	USDA-ARS and N. C. Agricultural Research Service
9300040	Genuine 4 Leaf Clover		12/04/1992	Florida Agricultural Experiment Station

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

< > Identifies temporary designations.

APPLICATIONS RECEIVED
OCTOBER 1, 1992 TO DECEMBER 31, 1992

APPL. NO.	VARIETY	GEN. APPLICATION (*)	DATE	NAME OF APPLICANT
CLOVER, WHITE (continued)				
9300051	Mineooha		12/24/1992	Toboku National Agricultural Experiment Stations / Ministry of Agriculture, Forestry and Fisheries
CORN, FIELD				
9300035	LH166		12/03/1992	Holden's Foundation Seeds, Inc.
9300036	LH217		12/03/1992	Holden's Foundation Seeds, Inc.
9300037	LH200		12/03/1992	Holden's Foundation Seeds, Inc.
9300038	LH184		12/03/1992	Holden's Foundation Seeds, Inc.
9300039	LH167		12/03/1992	Holden's Foundation Seeds, Inc.
9300048	ICI530		12/24/1992	ICI Americas Inc.
9300049	ICI581		12/24/1992	ZENECA Ltd.
COTTON				
9300041	HS-44		12/11/1992	J & S Research Company
9300060	DP 5681		12/30/1992	Delta & Pine Land Company

5

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

APPLICATIONS RECEIVED
OCTOBER 1, 1992 TO DECEMBER 31, 1992

APPL. NO.	VARIETY	GEN. APPLICATION (*)	DATE	NAME OF APPLICANT
FESCUE, CHEWINGS 9300043	Molinda	12/11/1992	Monmersteeg International B.V	
FESCUE, RED 9300042	Hector	12/11/1992	Monmersteeg International B.V.	
LETTUCE 9300014	El Dorado	11/02/1992	Royal Sluis, Koninklijke Zaaizaadbedrijven Gebroeders Sluis, BV	
9300024	Challenge	11/16/1992	Zaadunie BV	
9300025	Spector	11/17/1992	Genecorp, Inc.	
9300026	Stinger	11/17/1992	Asgrow Seed Company	
MELON, KHARBUZA 9300029	Aliabadi	11/20/1992	Ali Abad Farm	
MUSKMELON 9300003	Sweet Delight	10/14/1992	Hollar Seeds, Inc.	

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

APPLICATIONS RECEIVED
OCTOBER 1, 1992 TO DECEMBER 31, 1992

APPL. NO.	VARIETY	GEN. APPLICATION (*)	DATE	NAME OF APPLICANT
MUSTARD				
9300061	Metex	12/31/1992		P.H. Petersen, Saatplicht
PEA				
9300004	DMC 50-02	10/14/1992		Del Monte Corporation
9300045	DMC 50-21	12/16/1992		Del Monte Corporation
9300047	Style	12/23/1992		Pure Line Seeds, Inc.
9300056	DMC 50-04	12/30/1992		Del Monte Corporation
9300057	DMC 50-26	12/30/1992		Del Monte Corporation
9300058	DMC 50-68	12/30/1992		Del Monte Corporation
PHACELIA				
9300062	Amerigo	12/31/1992		P.H. Petersen, Saatplicht
PUMPKIN				
9300020	RS1090	11/12/1992		Rupp Seeds, Inc.
RADISH, FODDER				
9300063	Adagio	12/31/1992		P.H. Petersen, Saatplicht

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

APPLICATIONS RECEIVED
OCTOBER 1, 1992 TO DECEMBER 31, 1992

APPL. NO.	VARIETY	GEN. APPLICATION (*)	DATE	NAME OF APPLICANT
	RADISH, FODDER (continued)			
9300064	Viking	12/31/1992		P.H. Petersen, Saatucht
	RYEGRASS, PERENNIAL			
9300034	Navajo	11/23/1992		Pure-Seed Testing, Inc.
	SOYBEAN			
9300010	Terra Vig - 5555	10/19/1992		Terral-Norris Seed Co., Inc.
9300017	Alpha	11/10/1992		Minnesota Agricultural Experiment Station
9300018	S46-44	11/12/1992		Northrup King Co.
9300019	S62-66	11/12/1992		Northrup King Co.
9300021	DP 3818	11/12/1992		Delta Pine Land Company
9300022	DP 3776	11/12/1992		Delta Pine Land Company
9300023	DP 3733	11/12/1992		Delta & Pine Land Company
9300046	3602	12/16/1992		Ciba-Geigy Seeds Division
	SUDANGRASS			
9300013	WKM III	10/27/1992		Walter K. Moss

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

APPLICATIONS RECEIVED
OCTOBER 1, 1992 TO DECEMBER 31, 1992

APPL. NO.	VARIETY	GEN. APPLICATION (*)	DATE	NAME OF APPLICANT
VINCA				
9300005	<PT358>		10/15/1992	John Bodger & Sons Co.
9300006	<PT379>		10/15/1992	John Bodger & Sons Co.
9300007	<PT408>		10/15/1992	John Bodger & Sons Co.
9300008	<PT441>		10/15/1992	John Bodger & Sons Co.
WATERMELON				
9300030	Eureka		11/23/1992	Freshworld, L.P.
9300031	Jimmy		11/23/1992	Freshworld, L.P.
9300032	Lisa		11/23/1992	Freshworld, L.P.
9300067	Navajo Sweet	(3)	12/22/1992	Higgins Farms, Inc.
WHEAT, COMMON				
9300009	Yuma	(3)	10/19/1992	Colorado State University
9300011	Terral 877		10/26/1992	Terral-Norris Seed Co., Inc.
9300015	Krona	(3)	11/02/1992	AgriPro Biosciences Inc.
9300027	Meridian		11/17/1992	Idaho Agricultural Experiment Station
9300052	Karena		12/28/1992	The Andersons

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

APPLICATIONS AMENDED

OCTOBER 1, 1992 TO DECEMBER 31, 1992

Information concerning the varieties below has been published previously in the "Official Journal's" list of applications received. During the examination process, the applicant requested this information be amended as indicated below.

APPL. NO.	VARIETY	GEN. APPLICATION (*) DATE	NAME OF OWNER
LETTUCE			
9000062	Eline	12/18/1989	Rijk Zwaan Zaadteelt en Zaadandel B.V.
Name of owner changed from TS Seeds BV to Rijk Zwaan Zaadteelt en Zaadhandel B.V.			
PEA			
9200053	SL 173	12/26/1991	Rogers NK Seed Co.
Variety with temporary designation of <SP 173B-3-1> named 'SL 173'.			
9200148	Top Pod	04/07/1992	Rogers NK Seed Co.
Variety with temporary designation of <PW 624-2-1-2> named 'Top Pod'.			

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

APPLICATIONS AMENDED
OCTOBER 1, 1992 TO DECEMBER 31, 1992

APPL. NO.	VARIETY	GEN. APPLICATION (*)	DATE	NAME OF APPLICANT
PUMPKIN				
9000175	Happy Jack	05/14/1990		Petoseed Co., Inc.
	Variety with temporary designation of <Fll PSR 476> named 'Happy Jack'.			
WATERMELON				
9200130	Juliett	03/13/1992		Rogers NK Seed Co.
	Variety with temporary designation of <NV 4317> named 'Juliett'.			
WHEAT, COMMON				
9200160	2580	04/17/1992		Pioneer Hi-Bred International, Inc.
	Variety with temporary designation of <WBA963A5> named '2580'.			
9200161	2566	04/17/1992		Pioneer Hi-Bred International, Inc.
	Variety with temporary designation of <WBB031E1> named '2566'.			

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

APPLICATIONS AMENDED
OCTOBER 1, 1992 TO DECEMBER 31, 1992

APPL. NO.	VARIETY	GEN. APPLICATION (*)	DATE	NAME OF APPLICANT
WHEAT, COMMON (continued) 9200162 2571			04/17/1992	Pioneer Hi-Bred International, Inc.
	Variety with temporary designation of <WBB441D1> named '2571'.			

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR INELIGIBLE
OCTOBER 1, 1992 TO DECEMBER 31, 1992

Applications for the varieties listed below are no longer being considered for U.S. plant variety protection. Although propagation of these varieties is no longer prohibited by the U.S. Plant Variety Protection Act, varieties published in this list may possibly be protected under the Patent Act.

KIND	APPL. NO.	VARIETY
CAULIFLOWER	9000098	Aubade
CAULIFLOWER	9000131	Floriade
FESCUE, TALL	9000130	Sapphire
LETTUCE	9100013	<711,712>
LETTUCE	9100014	<713>
LETTUCE	9200005	Arizona 90
MUSKMELON	8900091	<M21>
WHEAT, COMMON	9100244	Pronontory

< > Identifies temporary designations.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BEAN, FIELD				
8900188	Agassiz		04/19/1989	Rogers NK Seed Co.
	'Agassiz' is most similar to 'Agate'; however, 'Agassiz' matures in 86 days, whereas 'Agate' matures in 93 days. 'Agassiz' also has a plant height of 38 cm, a pod length of 112 mm, a pod width of 8.75 mm, and a pod beak of 8.9 mm, whereas 'Agate' has a plant height of 52 cm, a pod length of 122 mm, a pod width of 11 mm, and a pod beak of 10.9 mm.			
8900192	Guardian		04/19/1989	Rogers NK Seed Co.
	'Guardian' is most similar to 'Montcalm'; however, 'Guardian' has a longer pod beak and narrower pod width than 'Montcalm'. The pod beak and width of 'Guardian' are 13.7 and 11.8 mm respectively whereas those of 'Montcalm' are 12 and 12.5 mm respectively. In addition, 'Guardian' lacks anthocyanin pigmentation in its leaf whereas it is present in 'Montcalm'.			
8900253	UI 686	(3)	06/19/1989	University of Idaho
	'UI 686' is most similar to 'Michigan Improved Cranberry'; however, 'UI 686' differs from 'Michigan Improved Cranberry' in reaction to the common bean mosaic virus (resistant vs susceptible respectively).			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BEAN, FIELD (continued)				
9100196	Starlight	(3)	06/13/1991	University of Nebraska Agr. Res. Division
	'Starlight' is most similar to 'Emerson'. However, 'Starlight' differs from 'Emerson' in its reaction to <u>Uromyces appendiculatus</u> , the fungus which causes bean rust (resistant vs susceptible respectively).			
BERMUDAGRASS				
9100085	Primavera		01/30/1991	Farmers Marketing Corp.
	'Primavera' is most similar to 'NuMex Sahara'; however, 'Primavera' has a smaller stem diameter (1.3 vs 1.6 mm) and a darker summer color (8.0 vs 6.3; 1-9 scale; 9=darkest green) than 'NuMex Sahara'.			
BLUEGRASS, KENTUCKY				
9100125	Gemar	(2)	02/26/1991	Idaho Agricultural Experiment Station
	'Gemar' is most similar to 'Merion'; however, 'Gemar' lacks leaf margin hairs whereas 'Merion' has leaf margin hairs.			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BLUEGRASS, KENTUCKY (continued)				
9100126	Greenley	(2)	02/26/1991	Idaho Agricultural Experiment Station
	'Greenley' is most similar to 'Alene'; however, 'Greenley' has a spring green up of 5 days (4/10 vs 4/5) later than 'Alene'. 'Greenley' has a seed weight less than 'Alene' (2746 vs 3880 mg/10,000 seed).			
9100127	Ronde	(2)	02/26/1991	Idaho Agricultural Experiment Station
	'Ronde' is most similar to 'Kenblue'; however, 'Ronde' is more resistant to leaf spot (7 vs 2; 1-9 scale; 9=most resistant), mildew (7 vs 2), snow mold (5 vs 2) and leaf rust (8 vs 5) than 'Kenblue'.			
9200129	Unique		03/10/1992	Pure-Seed Testing, Inc.
	'Unique' is most similar to 'Midnight'; however, 'Unique' has a heading date 14 days earlier (range: 13-16 days) than 'Midnight'.			
BLUEGRASS, SUPINA				
9200065	Supranova		01/13/1992	Saatzucht Steinach GmbH.
	'Supranova' is most similar to 'Supra' and 'Posipa'. 'Supranova' differs from 'Supra' in leaf color (5 vs 3; 1-9 scale, 9=darkest green) and 'Posipa' in heading 6 days later.			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CHICORY				
9000157	Grasslands Puna	(3)	05/02/1990	Grasslands Division / New Zealand Dept. of Scientific & Industrial Research
	'Grasslands Puna' is most similar to 'San Pedro'; however, 'Grasslands Puna' produces more shoots from rootstock after grazing (ca. 10 vs 1 for 'San Pedro').			
CORN, FIELD				
9100070	LH212Ht		01/16/1991	Holden's Foundation Seeds, Inc.
	'LH212Ht' is most similar to 'LH123Ht'. 'LH212Ht' differs from 'LH123Ht' in glume color (purple vs green) and number of ears per stalk (strong two ear tendency vs single ear).			
9100100	PHR61		02/07/1991	Pioneer Hi-Bred International, Inc.
	'PHR61' is most similar to 'G39'. 'PHR61' differs from 'G39' in number of lateral tassel branches (1 vs 8) and cob color (red vs white).			
9100248	F118		08/19/1991	DeKalb Plant Genetics
	'F118' is most similar to 'B73Ht'. 'F118' differs from 'B73Ht' in brace root color (green vs purple), number of lateral tassel branches (10 vs 5), and 50% silking date (1601 vs 1498 heat units).			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CORN, FIELD (continued)				
9200012	911		10/28/1991	Northrup King Co.
	'911' is most similar to 'OH43'. '911' differs from 'OH43' in silk color (pink vs green) and in glume color (purple vs green).			
9200013	912		10/28/1991	Northrup King Co.
	'912' is most similar to 'OH43'. '912' differs from 'OH43' in silk color (pink vs green) and in glume color (purple vs green). '912' has 14 kernel rows, whereas '911' has 18 kernel rows.			
9200038	ICI 441		12/11/1991	ZENECA Ltd.
	'ICI 441' is most similar to 'B73'. 'ICI 441' differs from 'B73' in red glume band presence (present vs absent) and in silk color (red vs yellow).			
9200080	PHDD6		01/31/1992	Pioneer Hi-Bred International, Inc.
	'PHDD6' is most similar to 'PHM81'. 'PHDD6' differs from 'PHM81' in cob color (white vs pink) and silk maturity (1090 is 1230 heat units).			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CORN, FIELD (continued)				
9200081	PHGG7	01/31/1992	Pioneer Hi-Bred International, Inc.	
	'PHGG7' is most similar to 'PHJ75'. and in cob color (white vs red).		'PHGG7' differs from 'PHJ75' in anther color (yellow vs red)	
9200085	PHK74	01/31/1992	Pioneer Hi-Bred International, Inc.	
	'PHK74' is most similar to 'PHG72'. heat units), number of lateral tassel branches (8 vs 12), and silk color (salmon vs green).		'PHG72' differs from 'PHK74' in silk maturity (1310 vs 1450)	
9200093	PHT73	01/31/1992	Pioneer Hi-Bred International, Inc.	
	'PHT73' is most similar to 'PHK05'. in cob color (red vs white), and in number of lateral tassel branches (5 vs 8).		'PHT73' differs from 'PHK05' in silk color (yellow vs red),	
FESCUE, TALL				
9000037	Shenandoah	12/01/1989	R. J. Peterson Enterprises, Inc.	
	'Shenandoah' is most similar to 'Rebel II'; however, 'Shenandoah' has a darker green color (139A vs 137C of The Royal Horticultural Society (R.H.S.) colour chart) and a higher turf density (31 vs 20 tillers/5 in.) than 'Rebel II'.			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
--------------	---------	-------------	---------------	---------------

FESCUE, TALL (continued)

9000240 Rebel Jr.
'Rebel Jr.' is most similar to 'Rebel II'; however, 'Rebel Jr.' has a darker leaf color (7.7 vs 4.7; 1-9 scale; 9=darkest green) and is 6 days later in initial heading than 'Rebel II'.

LETTUCE

9100028 Red Vogue
'Red Vogue' is most similar to 'Pybas Red Butter'; however, the seed color of 'Red Vogue' is black whereas that of 'Pybas Red Butter' is white.

9200011 Romulus
'Romulus' is most similar to 'Valmaine'; however, seed color of 'Romulus' is black whereas that of 'Valmaine' is white. In addition, 'Romulus' is resistant to lettuce mosaic virus whereas 'Valmaine' is susceptible.

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
LETTUCE (continued)				
9200158	Impact		04/15/1992	Arthur Yates & Co. Pty. Ltd.
	'Impact' is most similar to 'Bounty'; however, 'Impact' differs from 'Bounty' in having shorter head height and smaller frame diameter. The head height and frame diameter of 'Impact' are 12 and 46 cm respectively whereas those of 'Bounty' are 13 and 47 cm respectively. In addition, 'Impact' matures in 65 days whereas 'Bounty' takes 68 days to mature.			
9200258	Encore		09/09/1992	Royal Sluis, Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V.
	'Encore' is most similar to 'Dark Green Boston'; however, 'Encore' is resistant to lettuce mosaic virus and downy mildew California pathotypes I, IIA, IIB, III, and IV whereas 'Dark Green Boston' is susceptible to all of those.			
PEA				
8900068	Sun Burst		12/30/1988	Pure Line Seeds, Inc.
	'Sun Burst' is most similar to 'Sunfire'; however, 'Sun Burst' differs from 'Sunfire' in plant height ('Sun Burst' is at least 9 cm taller), and in sieve size class ('Sun Burst' is 0.43 class smaller).			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
PEA (continued)				
8900162	Turbo		04/13/1989	Asgrow Seed Company
	'Turbo' is most similar to <EP8221>; 'Turbo' differs from <EP8221> in number of flowers borne per node (2-4 vs 2).			
8900222	Ava		05/25/1989	Nunhems Seed Corporation
	'Ava' belongs to the "Allsweet" group of varieties. It has leaves lighter in color compared to four of these varieties: 'Ava', 143A; 'Caprice', 137B; 'Early Sweet II', 'Payload', and '2213', all 141A,B (R.H.S. Colour Chart). From other "Allsweet" types it may be distinguished by sieve size ('Ava' has a size class of 3.7, whereas 'Allsweet II' is 3.2 and '7025' is 4.2) or by days to flowering ('Ava' is 2 days later to 10% bloom than '7025' and 4 days later than 'Dawn'). Also, 'Ava' is 2 days later to maturity than 'Allsweet II'.			
8900224	Booster		05/25/1989	Nunhems Seed Corporation
	'Booster' is most similar to '9000 Freezer'; however, 'Booster' is susceptible to red clover vein mosaic virus whereas '9000 Freezer' is tolerant.			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
PEA (continued)				
9000097	Revolution		02/23/1990	Rogers NK Seed Co.
	'Revolution' is most similar to 'Sparkle'; however, 'Revolution' bears 2 pods at a node with a frequency of between 39% and 53%, whereas 'Sparkle' produces 2 pods at a node at a frequency of less than 1%.			
9100175	Sonic		05/13/1991	Rogers NK Seed Co.
	'Sonic' is most similar to <H917-8>; however, 'Sonic' is resistant to races 5 and 6 of <u>Fusarium oxysporum</u> , which causes Fusarium wilt, whereas <H917-8> is susceptible.			
9200053	SL 173		12/26/1991	Rogers NK Seed Co.
	'SL 173' is most similar to 'Sugar Pop', 'Sugar Daddy', and 'Stringless Sugar Snap'. However, 'SL 173' differs from these varieties in reaction to the pea enation mosaic virus (resistant vs susceptible) and in reaction to the red clover vein mosaic virus (resistant vs susceptible).			
9200099	Alsweet III		02/03/1992	Asgrow Seed Company
	'Alsweet III' is most similar to 'Alsweet II'. However, 'Alsweet III' differs from 'Alsweet II' in maturity ('Alsweet III' is 5 days later) and in vine habit (determinate vs indeterminate).			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
PEA (continued)				
9200103	Filly		02/03/1992	Asgrow Seed Company
	'Filly' is most similar to 'Flair'; however, 'Filly' differs from 'Flair' in foliage type (filiform vs normal leaflets respectively).			
9200148	Top Pod		04/07/1992	Rogers NK Seed Co.
	'Top Pod' is most similar to 'Rondo'. However, 'Top Pod' differs from 'Rondo' in number of nodes to first bloom (18 vs 14 respectively) and to last bloom (21 vs 18 respectively).			
PEPPER				
9100123	TAM Veracruz		02/26/1991	Texas Agricultural Experiment Station
	'TAM Veracruz' is most similar to creole type jalapeno varieties grown in Veracruz, Mexico. It is the first variety of this type to be adapted to the United States. 'TAM Veracruz' has higher pungency than 'TAM Mild Jalapeno-1' (20300-24200 vs 9100-18700 Scoville units), and greater resistance to tobacco etch virus than 'Jalapeno M' (very resistant vs very susceptible). The fruit of 'TAM Veracruz' has cuticular cracks, typical of the true jalapeno type.			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
PEPPER (continued)				
9100206	Sonora Anaheim		07/01/1991	Petoseed Co., Inc.
'Sonora Anaheim' is most similar to 'NuMex R Naky' and 'NuMex Big Jim'. 'Sonora Anaheim' differs from 'NuMex R Naky' in fruit weight (79 vs 66 gm), and differs from 'NuMex Big Jim' in immature fruit color (dark green vs light green). 'Sonora Anaheim' has no anthocyanin on its hypocotyl but both 'NuMex R Naky' and 'NuMex Big Jim' have anthocyanin coloration on their hypocotyls.				
RICE				
8900034	S-101	(3)	11/28/1988	California Cooperative Rice Research Foundation, Inc.
'S-101' is most similar to 'S-201'; however, 'S-101' is 8 cm shorter (82 vs 90 cm) and has pubescent leaves whereas 'S-201' has glabrous leaves. The milled kernels of 'S-101' are translucent whereas those of 'S-201' have a pronounced white belly.				
8900035	M-203	(3)	11/28/1988	California Cooperative Rice Research Foundation, Inc.
'M-203' is most similar to 'M-401'; however, 'M-203' has a heading date 16 days earlier (92 vs 108 days) than 'M-401'.				

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
SORGHUM				
8900236	PHB86		06/06/1989	Pioneer Hi-Bred International, Inc.
	'PHB86' is most similar to 'wheatland'. However, 'PHB86' has a red plant color, a red glume color, and is resistant to pathotypes 1 and 3 of <u>Peronosclerospora sorghi</u> (downy mildew); whereas 'wheatland' has a purple plant color, a black glume color, and is susceptible to pathotypes 1 and 3 of <u>P. sorghi</u> .			
	'PHB86' and 'PHA86' have the same pedigree, except 'PHB86' as the maintainer line has a normal cytoplasm, and 'PHA86' as the male sterile line has an Al cytoplasm.			
8900237	PHA82		06/06/1989	Pioneer Hi-Bred International, Inc.
	'PHA82' is most similar to 'TX3042'. However, 'PHA82' is resistant to pathotype 1 of <u>Peronosclerospora sorghi</u> (downy mildew) and has a light green leaf color, whereas 'TX3042' is susceptible to pathotype 1 of <u>P. sorghi</u> and has a dark green leaf color.			
	'PHA82' and 'PHB82' have the same pedigree, except 'PHA82' as the male sterile line has an Al cytoplasm, and 'PHB82' as the maintainer line has a normal cytoplasm.			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
SORGHUM (continued)				
8900238	PHB82		06/06/1989	Pioneer Hi-Bred International, Inc.
	'PHB82' is most similar to 'TX3042'; however, 'PHB82' is resistant to pathotype 1 of <u>Peronosclerospora sorghi</u> (downy mildew) and has a light green leaf color, whereas 'TX3042' is susceptible to pathotype 1 of <u>P. sorghi</u> and has a dark green leaf color.			
	'PHB82' and 'PHA82' have the same pedigree, except 'PHB82' as the maintainer line has a normal cytoplasm, and 'PHA82' as the male sterile line has an A1 cytoplasm.			
8900239	PH328		06/06/1989	Pioneer Hi-Bred International, Inc.
	'PH328' is most similar to 'TX3042'; however, 'PH328' is resistant to biotype C and E of <u>Schizaphis graminum</u> (greenbug), whereas 'TX3042' is susceptible to biotype C and E of <u>S. graminum</u> .			
8900240	PH333		06/06/1989	Pioneer Hi-Bred International, Inc.
	'PH333' is most similar to 'TX2737'; however, 'PH333' is resistant to pathotype 1 of <u>Peronosclerospora sorghi</u> (downy mildew), whereas 'TX2737' is susceptible to pathotype 1 of <u>P. sorghi</u> .			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
SORGHUM (continued)				
9100007	PH352		10/10/1990	Pioneer Hi-Bred International, Inc.
	'PH352' is most similar to 'TX2737'; however, 'PH352' is resistant to biotype E of <u>Schizaphis graminum</u> (greenbug), whereas 'TX2737' is susceptible to biotype E of <u>S. graminum</u> .			
9100227	PH288		08/02/1991	Pioneer Hi-Bred International, Inc.
	'PH288' is most similar to 'TX2737'; however, 'PH288' is resistant to race 5 of <u>Sphacelotheca reiliana</u> (head smut), whereas 'TX2737' is susceptible to race 5 of <u>S. reiliana</u> .			
9100228	PH355		08/02/1991	Pioneer Hi-Bred International, Inc.
	'PH355' is most similar to 'TX3042'; however, 'PH355' has a tan plant pigment, a white grain color, and is resistant to pathotype 1 of <u>Peronosclerospora sorghi</u> (downy mildew), whereas 'TX3042' has a purple plant pigment, a red grain color, and is susceptible to pathotype 1 of <u>P. sorghi</u> .			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
SORGHUM (continued)				
9100229	PH356			
	'PH356' is most similar to 'TX2737'; however, 'PH356' has a mahogany glume color, an open panicle density, and is resistant to pathotypes 1 and 3 of <i>Peronosclerospora sorghi</i> (downy mildew), whereas 'TX2737' has a straw glume color, a semi-compact panicle density, and is susceptible to pathotypes 1 and 3 of <i>P. sorghi</i> .			
9100230	PH410			
	'PH410' is most similar to 'RTx430'; however, 'PH410' is 10 inches taller and 5 days later in maturity than 'RTx430'. In addition, 'PH410' has a red plant pigment, whereas 'RTx430' has a purple plant pigment.			
9100231	PH449			
	'PH449' is most similar to 'TX2737'; however, 'PH449' is resistant to race 4 of <i>Sphacelotheca reiliana</i> (head smut), has a white endosperm color, and a tan glume color, whereas 'TX2737' is susceptible to race 4 of <i>S. reiliana</i> , has a yellow endosperm color, and a straw glume color.			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
SORGHUM (continued)				
9100232	PHA331	08/02/1991 Pioneer Hi-Bred International, Inc.		
'PHA331' is most similar to 'Wheatland'. However, 'PHA331' is resistant to races 4 and 5 of <u>Sphacelotheca reiliana</u> (head smut) and is resistant to pathotypes 1 and 3 of <u>Peronosclerospora sorghi</u> (downy mildew), whereas 'Wheatland' is susceptible to races 4 and 5 of <u>S. reiliana</u> and is susceptible to pathotypes 1 and 3 of <u>P. sorghi</u> .				
'PHA331' and 'PHB331' have the same pedigree except 'PHA331' as a male sterile has an Al cytoplasm, whereas PHB331' as a maintainer line has a normal cytoplasm.				
9100233	PHB331	08/02/1991 Pioneer Hi-Bred International, Inc.		
'PHB331' is most similar to 'Wheatland'. However, 'PHB331' is resistant to races 4 and 5 of <u>Sphacelotheca reiliana</u> (head smut) and is resistant to pathotypes 1 and 3 of <u>Peronosclerospora sorghi</u> (downy mildew), whereas 'Wheatland' is susceptible to races 4 and 5 of <u>S. reiliana</u> and is susceptible to pathotypes 1 and 3 of <u>P. sorghi</u> .				
'PHB331' and 'PHA331' have the same pedigree except 'PHB331' as a maintainer line has a normal cytoplasm, whereas 'PHA331' as a male sterile has an Al cytoplasm.				

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
SORGHUM (continued)				
9100235	PHB429			08/02/1991 Pioneer Hi-Bred International, Inc.
	'PHB429' is most similar to 'TX3042'; however, 'PHB429' has a tan glume color, a white pericarp color, and is resistant to biotypes C and E of the <u>Schizaphis graminum</u> (greenbug), whereas 'TX3042' has a black glume color, a red pericarp color, and is susceptible to biotypes C and E of <u>S. graminum</u> .			
9100236	PHA432			08/02/1991 Pioneer Hi-Bred International, Inc.
	'PHA432' is most similar to 'Wheatland'; however, 'PHA432' has a tan glume color and is resistant to biotypes C and E of <u>Schizaphis graminum</u> (greenbug), whereas 'Wheatland' has a black glume color and is susceptible to biotypes C and E of <u>S. graminum</u> .			
	'PHA432' and 'PHB432' have the same pedigree except 'PHA432' as a male sterile has an Al cytoplasm, whereas 'PHB432' as a maintainer line has a normal cytoplasm.			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
--------------	---------	-------------	---------------	---------------

SORGHUM (continued)

9100237 PHB432

'PHB432' is most similar to 'Wheatland'; however, 'PHB432' has a tan glume color and is resistant to biotypes C and E of *Schizaphis graminum* (greenbug), whereas 'Wheatland' has a black glume color and is susceptible to biotypes C and E of S. graminum.

'PHB432' and 'PHA432' have the same pedigree except 'PHB432' as a maintainer line has a normal cytoplasm, whereas 'PHA432' as a male sterile has an A1 cytoplasm.

SOYBEAN

9100062 Delsoy 4900

'Delsoy 4900' closely resembles 'Hill' in plant type; however, 'Delsoy 4900' is resistant to race 3 of soybean cyst nematode whereas 'Hill' is susceptible. In addition, 'Delsoy 4900' has purple flowers whereas 'Hill' has white flowers.

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN.	ISSUE	NAME OF OWNER
		(*)	DATE	

SOYBEAN (continued)

9100192 Al662 05/31/1991 Asgrow Seed Company

'Al662' is most similar to 'Kato', 'A2543', 'Kenwood', 'A2234', and 'A2872'. However, 'Al662' differs by the following characteristics: 'Al662' is resistant to races 3, 4, 5, 7, 8, and 9 of Phytophthora megasperma Drechs. f. sp. glycinea (Phytophthora root rot), whereas 'Kato' is susceptible; 'Al662' has a mid group I maturity, a low peroxidase activity, and a brown pod wall color, whereas 'A2543' has a mid group II maturity, a high peroxidase activity, and a tan pod wall color; 'Al662' is resistant to races 1-5, 7-11, 13, 17, and 21 of P. megasperma Drechs. f. sp. glycinea whereas 'Kenwood' is susceptible; 'Al662' has a mid group I maturity and a brown pod wall color, whereas 'A2234' has an early group II maturity and a tan pod wall color; and 'Al662' has a mid group I maturity and a low peroxidase activity, whereas 'A2872' has a late group II maturity and a high peroxidase activity.

9100209 CX267 07/08/1991 Dekalb Plant Genetics

'CX267' is most similar to 'A2943'. However, 'CX267' is resistant to race 3 of Phytophthora megasperma f. sp. glycinea (Phytophthora root rot), whereas 'A2943' is susceptible to race 3 of P. megasperma f. sp. glycinea.

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
SOYBEAN (continued)				
9200003	S33-32		10/09/1991	Northrup King Co.
'S33-32' is most similar to Pioneer '9341'; however, it can be differentiated from '9341' on the basis of pubescence color and reaction to race 3 of <i>Phytophthora megasperma</i> (<i>Phytophthora</i> rot). 'S33-32' has light tawny pubescence and is resistant to race 3 of <u>P. megasperma</u> ; '9341' has tawny pubescence and is susceptible to race 3 of that pathogen.				
9200004	S39-11		10/09/1991	Northrup King Co.
'S39-11' is most similar to 'S43-34' and 'Fayette'; however, 'S39-11' has a black hilum color and a tawny pubescence color, whereas 'S43-34' has a buff hilum and a grey pubescence color. Also, 'S39-11' is 6 cm shorter in height than 'Fayette'. In addition, 'S39-11' has a dull seed coat and a spherical flattened seed shape, whereas 'Fayette' has a shiny seed coat and a spherical round seed shape.				
9200019	Leslie	(3)	11/14/1991	Minnesota Agricultural Experiment Station
'Leslie' is most similar to 'Sturdy'; however, 'Leslie' is susceptible to iron chlorosis and has tan pods, whereas 'Sturdy' is resistant to iron chlorosis and has brown pods.				

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
SOYBEAN (continued)				
9200036	3311		12/10/1991	Ciba-Geigy Seeds Division
	'3311' is most similar to 'A2943'; however, '3311' is susceptible to race 1 of Phytophthora megasperma, whereas 'A2943' is resistant. Also, '3311' exhibits low seed protein peroxidase activity, whereas 'A2943' exhibits high seed protein peroxidase activity.			
9200055	FFR 253		12/24/1991	FFR Cooperative
	'FFR 253' is most similar to 'Century 84'; however, 'FFR 253' may be distinguished from 'Century 84' by the following characteristics: 'FFR 253' has tan pods, white flowers, and larger seeds (p < .05 for LSD values over 3 years), whereas 'Century 84' has brown pods and purple flowers.			
TOMATO				
9000202	Promo		06/08/1990	Ferry-Morse Seed Company
	'Promo' is most similar to 'Cannery Row'; however, 'Promo' has fewer flowers per third inflorescence than 'Cannery Row' (5.8 vs 7.2 respectively, in 2 localities).			
9100121	Orion		02/21/1991	Harris Moran Seed Company
	'Orion' is most similar to 'HM 3075'; however, 'Orion' is resistant to southern root knot nematode, whereas 'HM 3075' is susceptible.			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
WATERMELON				
8900096	Jubilee II		02/21/1989	Florida Agricultural Experiment Station
	'Jubilee II' is most similar to 'Jubilee' and 'Royal Jubilee'; however, 'Jubilee II' has resistance to races 0 and 1 of <u>Fusarium oxysporum</u> f. sp. <u>niveum</u> (Fusarium wilt) after 3 weeks at 600 propagules per gram with soil inoculum, whereas 'Jubilee' from commercial seed sources is susceptible. Also, 'Jubilee II' is an open pollinated line, whereas 'Royal Jubilee' is an F1 hybrid.			
9100083	Tastigold		01/28/1991	Coffey Seed Company
	'Tastigold' is most similar to 'Desert King'; however, 'Tastigold' has a coal black seed color and is resistant to races 0 and 1 of <u>Fusarium oxysporum</u> f. sp. <u>niveum</u> (Fusarium wilt), whereas 'Desert King' has a dark brown seed color and is susceptible to races 0 and 1 of <u>F. oxysporum</u> f. sp. <u>niveum</u> .			
9200130	Juliett		03/13/1992	Rogers NK Seed Co.
	'Juliett' is most similar to 'Jubilee II'; however, 'Juliett' has greater resistance than 'Jubilee II' to race 1 of <u>Fusarium oxysporum</u> f. sp. <u>niveum</u> (Fusarium wilt), 83 vs 66% respectively, when inoculated with 1 x 10 ⁶ spores/ml. In addition, 'Juliett' has a fruit weight 2 pounds less than 'Jubilee II'.			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	GEN. NO.	ISSUE DATE	NAME OF OWNER
WHEAT, COMMON				
8900112	2548		03/13/1989	Pioneer Hi-Bred International, Inc.
			'2548' is most similar to '2550'; however, in '2548' the head is awned, whereas in '2550' it is awnleted. Also, the phenol reaction of '2548' is ivory, whereas in '2550' it is dark brown.	
8900120	Rio Blanco	(3)	03/20/1989	AgriPro Biosciences Inc.
			'Rio Blanco' is most similar to 'Mesa' and 'Trailblazer'; however, 'Rio Blanco' differs from both 'Mesa' and 'Trailblazer' in grain color (white for 'Rio Blanco', red for 'Mesa' and 'Trailblazer').	
8900293	Merrimac	(3)	08/21/1989	Wisconsin Agricultural Experiment Station
			'Merrimac' is most similar to 'Argee'; however, 'Merrimac' differs from 'Argee' in shoulder shape (oblique vs elevated, respectively), and in reaction to <u>Tilletia tritici</u> , the fungus which causes common bunt (resistant vs susceptible, respectively).	
9100055	Wakefield	(2)	12/26/1990	Virginia Agricultural Experiment Station
			'Wakefield' is most similar to 'Tyler'; however, 'Wakefield' has glumes with acute beaks, whereas those of 'Tyler' are obtuse. Also, the phenol reaction of 'Wakefield' is brown (Class IV), whereas that of 'Tyler' is light brown (Class III).	

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1992 TO DECEMBER 31, 1992

38

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
--------------	---------	-------------	---------------	---------------

WHEAT, COMMON (continued)

9100056 Madison

'Madison' is most similar to 'Massey'. However, 'Madison' has glumes with acute beaks, whereas the beaks of the glumes of 'Massey' are obtuse. Also, the coleoptiles of 'Madison' are white and the anthers are yellow, whereas in 'Massey' these structures are purple.

(2) 12/26/1990 Virginia Agricultural Experiment Station

WHEAT, SPELT

9100241 GR 900

'GR 900' is most similar to 'Champ'; however, 'GR 900' differs from 'Champ' in awnness; there is no terminal tip awn exceeding 1/4 inch in length in 'GR 900', and there usually is none at all, whereas in 'Champ' awns are usually present and usually 1 inch in length. Also, the heads of 'GR 900' resemble those of common wheat more than do those of 'Champ', which is a more typical spelt (with spike very lax, long in proportion to width).

(2) 08/05/1991 Ohio State University Research Foundation

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES AMENDED

OCTOBER 1, 1992 TO DECEMBER 31, 1992

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CORN, FIELD 8400030	LH123HT		02/22/1985	Holden's Foundation Seeds, Inc.
Novelty statement on this variety amended to read "'LH123HT' most closely resembles 'OH43HT'; however, 'LH123HT' has a red cob whereas 'OH43HT' has a white cob."				
WATERMELON 8700078	Louisiana Sweet	(*)	12/18/1987	Louisiana Agricultural Experiment Station
Variety name changed from 'Red-N-Sweet' to 'Louisiana Sweet'.				

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

CERTIFICATES EXPIRED

OCTOBER 1, 1992 TO DECEMBER 31, 1992

The term of protection has expired for the certificates listed below. The U.S. Plant Variety Protection Act no longer prohibits the unauthorized propagation of these varieties nor requires them to be sold by variety name only as a class of certified seed. However, varieties published in this list may possibly be protected under the Patent Act.

CERT. NO.	VARIETY	EXPIRATION		NAME OF OWNER
		DATE		
AGROTICUM				
7500026	2350	12/12/1992		Seed Research Inc.
7500027	3425	12/12/1992		Seed Research Inc.
BEAN, GARDEN				
7500054	Greenpak	11/24/1992		Rogers Brothers Seed Co.
7500072	Pax	10/17/1992		Asgrow Seed Company
7500096	Lake Seneca	11/24/1992		Rogers Brothers Seed Company
CAULIFLOWER				
7400052	Olympus	11/24/1992		Asgrow Seed Company
COTTON				
7400088	Stripper 31A	11/24/1992		The Lubrizol Corporation
7400089	GSA 71	11/24/1992		The Lubrizol Corporation

CERTIFICATES EXPIRED
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	EXPIRATION DATE	NAME OF OWNER
LETTUCE			
7500041	Excell	10/17/1992	Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V.
MARIGOLD			
7100010	Redcoat	12/12/1992	W. Atlee Burpee Company
PEA			
7500045	Green Sugar	11/24/1992	Western Valley Seed Co.
7500046	Canjoy	11/24/1992	Rogers Brothers Seed Co.
7500068	Dane	11/24/19 2	W. Brotherton Seed Co., Inc.
RICE			
7200040	Golden Steve	10/17/1992	Steve Landry
7400075	Tsuru Mai	12/12/1992	Rice Researchers, Inc.
7400077	Kokubelle	10/17/1992	Rice Researchers, Inc.
SAFFLOWER			
7300060	Cargill Dwarf 101	12/12/1992	Cargill, Inc.
SNAPDRAGON			
7200108	Bright Scarlet	11/24/1992	W. Atlee Burpee Co.

CERTIFICATES EXPIRED
OCTOBER 1, 1992 TO DECEMBER 31, 1992

CERT. NO.	VARIETY	EXPIRATION DATE	NAME OF OWNER
SOYBEAN			
7400062	Tracy	12/12/1992	Mississippi Agric. For. Expt. Sta.
7500056	Agripro 20	10/17/1992	Agripro, Inc.
7500067	RA-526	12/12/1992	Northrup King Co.
7500069	Classic I	10/17/1992	V. R. Seeds, Inc.
7500088	B 186	12/12/1992	Northrup King Co.
SWEETPEA			
7100085	Salmonette	12/12/1992	W. Atlee Burpee Company
7100086	Lavender Delight	12/12/1992	W. Atlee Burpee Company
WHEAT, COMMON			
7400044	Dekalb 581M	11/24/1992	Hybritech Seed International
7400045	Dekalb 582M	10/17/1992	Hybritech Seed International
7400068	Bounty 309	10/17/1992	Cargill, Inc.
7400099	W.S. 1	12/12/1992	World Seeds, Inc.
7400107	Homestead	11/24/1992	Nebraska Agric. Expt. Sta.
7400109	Sentinel	11/24/1992	Nebraska Agric. Expt. Sta.
ZINNIA			
7100059	Emperor	12/12/1992	W. Atlee Burpee Company
7400033	Ruffled Jumbo Scarlet	12/12/1992	W. Atlee Burpee Co.

The United States Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-5881 (voice) or (202) 720-7808 (TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C., 20250, or call (202) 720-7377 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
PLANT VARIETY PROTECTION OFFICE
NAL BUILDING, ROOM 500
10301 BALTIMORE BLVD.
BELTSVILLE, MARYLAND 20705-2351

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

THIRD-CLASS MAIL
POSTAGE & FEES PAID
AGRICULTURAL MARKETING
SERVICE
Permit No. G-297